

Claims

What is claimed is:

- 5 1. A method for caching an online service on a local point of presence, the online service being hosted on a remote host computer, the method comprising:
- receiving a request, at a local point of presence, to access an online service;
- determining if the requested online service is locally stored on the local
- 10 point of presence;
- in response to determining that the requested online service is not locally stored, downloading the requested online service from a remote host computer hosting the requested online service; and
- storing the downloaded online service on the local point of presence.
- 15 2. The method of Claim 1 further comprising determining if the requested online service is downloadable by the local point of presence.
3. The method of Claim 1 further comprising executing the requested online service on the local point of presence.
4. The method of Claim 1, wherein the requested online service is locally
- 20 stored in cache memory.
5. The method of Claim 1, wherein the requested online service conforms to HP's e-speak specifications.
6. The method of Claim 1, wherein downloading the requested online service comprises downloading the online service object code.
- 25 7. The method of Claim 1, wherein downloading the requested online service comprises downloading data associated with the requested online service.
8. The method of Claim 1 further comprising:
- maintaining an age limit for the requested online service;
- determining an age of the requested online service locally stored on the
- 30 local point of presence, the age being a time duration since the online service was last accessed; and
- in response to determining that the age exceeds the age limit, removing the locally stored online service from the local point of presence.

9. The method of Claim 1 further comprising receiving one or more caching properties for a locally stored online service.

10. A computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to:

- 5 receive a request to access an online service;
determine if the requested online service is locally stored on a local point of presence;
in response to determining that the requested online service is not locally stored, download the requested online service from a remote host computer
10 hosting the requested online service to the local point of presence; and
store the downloaded online service on the local point of presence.

11. The computer-readable storage medium of Claim 10, wherein the computer is a component of the local point of presence.

12. The computer-readable storage medium of Claim 10, wherein the
15 computer instructions that receive a request to access an online service further comprise computer instructions that, when executed by a computer, cause the computer to determine if the requested online service is downloadable by the local point of presence.

13. The computer-readable storage medium of Claim 10, wherein the
20 computer instructions that receive a request to access an online service further comprise computer instructions that, when executed by a computer, cause the computer to execute the requested online service on the local point of presence.

14. The computer-readable storage medium of Claim 10, wherein the requested online service is locally stored in cache memory.

15. The computer-readable storage medium of Claim 10, wherein the
25 requested online service conforms to HP's e-speak specifications.

16. The computer-readable storage medium of Claim 10, wherein the downloaded online service comprises the online service object code.

17. The computer-readable storage medium of Claim 10, wherein the downloaded online service comprises the data associated with the online service.

18. The computer-readable storage medium of Claim 10, wherein the
30 computer instructions that receive a request to access an online service further comprise computer instructions that, when executed by a computer, cause the computer to:
maintain an age limit for the requested online service;

determine an age of the requested online service locally stored on the local point of presence, the age being a time duration since the online service was last accessed; and

5 in response to determining that the age exceeds the age limit, remove the locally stored online service from the local point of presence.

19. The computer-readable storage medium of Claim 10, wherein the computer instructions that receive a request to access an online service further comprise computer instructions that, when executed by a computer, cause the computer to receive one or more caching properties for a locally stored online service.

10 20. A service caching system for locally storing a requested online service, the online service being hosted on a remote host computer, the system comprising:

a means for maintaining a record of a plurality of online services locally stored on a local point of presence;

a means for receiving a request to access an online service;

15 a means for determining if the requested online service is locally stored on the local point of presence;

in response to determining that the requested online service is not locally stored, a means for downloading the requested online service from a remote host computer hosting the requested online service; and

20 a means for storing the downloaded online service on the local point of presence.